PA ENT COOPERATION TREATY

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PCT

NOTIFICATION OF ELECTION

... (PCT Rule 61.2)

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room

CP2/5C24

Arlington, VA 22202

ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year)					
10 July 2001	(10.07.01)				

International application No.

PCT/US00/25520

International filing date (day/month/year)

18 September 2000 (18.09.00)

Applicant's or agent's file reference

UCIVN-007PCT

Priority date (day/month/year)

21 September 1999 (21.09.99)

Applicant

EVANS, William, J. et al

The designated Office is hereby notified of its election made: X In the demand filed with the International Preliminary Examining Authority on:	
10 April 2001 (10.04.01)	
in a notice effecting later election filed with the International Bureau on:	
The election X was	
was not	
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).	

BEST AVAILABLE COPY

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Odile ALIU

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

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REC'D 1	4	FEB	2002	

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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licant's or agent's file reference	FOR FURTHER ACTION	See Notifi Preliminary	ication of Transmittal of International Examination Report (Form PCT/IPEA/416)
CIVN-007PCT ernational application No.	International filing date (day/		Priority date (day/month/year) 21 SEPTEMBER 1999
CT/US00/25520		DC.	
ernational Patent Classification (IPC) C(7): CO8F 4/44, 4/52 and US Coplicant THE REGENTS OF THE UNIVER	SITY OF CALIFORNIA	se been prens	ared by this International Preliminary to Article 36.
2. This REPORT consists of been amended and are (see Rule 70.16 and S	a total of sheets. companied by ANNEXES, i.e., sleethe basis for this report and/or section 607 of the Administrative	heets of the de	scription, claims and/or drawings which have ing rectifications made before this Authority
These annexes consist of a	total of sheets.	g items:	
I X Basis of the	report		
II Priority III Non-establis	bment of report with regard t	o novelty, inv	ventive step or industrial applicability
IV Lack of unit	f invention	regard to nov	velty, inventive step or industrial applicabilit
VI Certain docur			•
VII Certain defec	ts in the international applicati	ion	
VIII Certain obser	vations on the international ap	plication	
•			
Date of submission of the demand		Date of comp	oletion of this report
}		so DECE	MBER 2001
10 APRIL 2001	,	Authorized o	fficer
Name and mailing address of the Commissioner of Patents and	IPEA/US 1 Trademarks		DEBORAH THUMAS
Commissioner of Patents and Box PCT Washington, D.C. 20231		ROBERT Telephone N	
Facsimile No. (703) 305-3230		r elephone 1	(100) 000 000

ſ	International application No.
	PCT/US00/25520

TARY EXAMINATION REPORT	PCT/US00/25520
INTERNATIONAL PRELIMINARY EXAMINATION REPORT	PCI/000
and the report	
and application:	
1. With regard to the elements of the international application as originally filed	, as originally filed
the international application as one	, as originally
the description:	, as original, as
X 1-31	ter of
pages, filed with the lett	
NOTA	, as originally filed
	a) under Afficie
X the claims: 32-38	ther with any statement) under Article 19, filed with the demand
pages, as amount	, m.c
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pages	, as originally filed
the drawings:	, as originately , filed with the demand
pages 1-3	of .
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x the sequence listing part of the description: NONE	, filed with the co-
pages, filed with the	Authority in the language in which
pages NONE , filed with the legal none pages NONE , filed with the legal none pages NONE , filed with the legal none pages none pages all the elements marked above were available to the international application was filed, unless otherwise indicated under the international application was filed, unless otherwise indicated under the international application was filed, unless otherwise indicated under the international application was filed, unless otherwise indicated under the international application was filed.	or furnished to this Audions, which is:
language, all the elements marked above was under the	his item.
2. With regard to the language, all the elements marked above were available the international application was filed, unless otherwise indicated under the international application was filed, unless otherwise indicated under the the international application furnished to this Authority in the follow. These elements were available or furnished for the purposes of international application (to the international	wind search (under Rule 23.1(b)).
These elements were available of interpretation of interpretations of	temationa.
the language of a translation furnished for the purposes of international application (upon the language of publication furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes of international application (upon the language of the translation furnished for the purposes).	under Rule 48.3(b)).
language of publication of the international appropriate	onal preliminary examination (under reason)
the language of translation furnished for the purposes of incommendation	:
the language of the translation furnished for the purposes of internal or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosure liminary examination was carried out on the basis of the sequence disclosure liminary examination was carried out on the basis of the sequence.	and in the international application, the international
or 55.3).	sed in the man
or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosured out on the basis of the sequence preliminary examination was carried out on the basis of the sequence of th	delice in
the international application in compute	r readable form.
contained in the international application in printed form.	
filed together with to this Authority in written form.	11. form
filed together with the international err furnished subsequently to this Authority in written form.	able form.
	ence listing does not g
The statement that the subsequently furnished written. The statement that the subsequently furnished. international application as filed has been furnished.	the form is identical to the writen sequence using
international application recorded in computer read	lable form to the
The statement that the information	
been furnished.	
been furnished. 4. X The amendments have resulted in the cancellation of: NONE	_
X the description, pages	
the description P NONE	been considered to
the claims, Nos. NONE X the drawings, sheets/fig NONE X the drawings, sheets/fig NONE 5. This report has been drawn as if (some of) the amendments of the disclosure as filed, as indicated in the Supplemental than the disclosure as filed, as indicated in the supplemental than the disclosure as filed, as indicated in the supplemental than the disclosure as filed, as indicated in the supplemental than the supplemental that	s had not been made, since they have been considered
the drawings, sneets rig This report has been drawn as if (some of) the amendments beyond the disclosure as filed, as indicated in the Supplem beyond the disclosure as filed, as indicated in the Supplem to the receiving Offi * Replacement sheets which have been furnished to the receiving Offi in this report as "originally filed" and are not annexed to this in this report as "originally filed" and are not annexed to the receiving Offi t	mental Box (Rule 70.2(c)).** mental Box (Rule 70.2(c)).**
5. This report has been drawn as indicated in the Supplet	ice in response to an invitation amendments (Rules 10
beyond the disclosure been furnished to the receiving the state of the	report since they are
5. This report has been drawn as if (some of) the americantees beyond the disclosure as filed, as indicated in the Supplers beyond the disclosure as filed, as indicated in the receiving Offi * Replacement sheets which have been furnished to the receiving Offi in this report as "originally filed" and are not annexed to this in this report as "originally filed" and are not annexed to this	eferred to under item 1 and annexed to
and 70.17).	report since they be report to this report.

that containing such amendments must be referred to under item 1 and annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/25520

•	statement			
	Novelty (N)	Claims	1-47	_ YE
	110.0213 (1.)	Claims	NONE	_ NO
		67. I	NONE	_ YI
	Inventive Step (IS)	Claims Claims	NONE 1-47	NC
		Claims		
		Claims	1-47	YI
	Industrial Applicability (IA)	Claims	NONE	_ NO
	compounds.		lining the ligands disclosed in the present invention with o	
	the use of a reduction agent.	ability as memo	ds for carrying out organic and polymeric reactions involved	, ing
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	the use of a reduction agent. NEW CITATIONS		ds for carrying out organic and polymeric reactions involved	

From the INTERNATIONAL SEARCHING AUTHORITY

To: ROBERT D. BUYAN STOUT, UXA, BUYAN & MULLINS LLP 4 VENTURE SUITE 3000 IRVINE, CA 92618	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of Mailing (day/month/year) 12 JAN 2001				
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below				
UCIVN-007PCT	The program of the control of the co				
International application No.	International filing date (day/month/year)				
PCT/US00/25520	18 SEPTEMBER 2000				
Applicant THE REGENTS OF THE UNIVERSITY OF CALIFORNIA					
1. X The applicant is hereby notified that the international	search report has been established and is transmitted herewith.				
Filing of amendments and statement under Article The applicant is entitled, if he so wishes, to amend the	e 19: ne claims of the international application (see Rule 46):				
When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.					
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35					
For more detailed instructions, see the notes on	the accompanying sheet.				
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith.	search report will be established and that the declaration under				
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon happlicant's request to forward the texts of both	as been transmitted to the International Bureau together with the the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the following	_				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, a demand for int wishes to postpone the entry into the national phase unit	ernational preliminary examination must be filed if the applicant il 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the applicant must	perform the prescribed acts for entry into the national phase before				
Name and mailing address of the ISA/US	Authorized officer				
Commissioner of Patents and Trademarks Form PCT PSA 7570(1) 10 d 500 ps. Washington, D.C. 20231	ROBERT D. HARLAN DEBORAHTHUMAS (See notespannesmylagiSheet)				



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's fill UCIVN-007PCT	e reference FOR FURTHI ACTION			national Search Report pplicable, item 5 below.		
International application	No. International filin	g date (day/month/year)	(Earliest) Priority	Date (day/month/year)		
PCT/US00/25520	18 ЅЕРТЕМВЕ	R 2000	21 SEPTEMBE	R 2000		
Applicant THE REGENTS OF TH	Applicant THE REGENTS OF THE UNIVERSITY OF CALIFORNIA					
according to Article 18. This international search	n report has been prepared by this In A copy is being transmitted to the a report consists of a total of simpanied by a copy of each prior are	nternational Bureau.		nitted to the applicant		
1. Basis of the report		·				
language in wh	the language, the international search nich it was filed, unless otherwise ind onal search was carried out on the b rule 23.1(b)).	icated under this item.		• •		
	any nucleotide and/or amino acid ton the basis of the sequence listing:	sequence disclosed in the	international applica	tion, the international search		
	the international application in writ	en form.				
filed togethe	r with the international application i	n computer readable form	1.			
furnished su	bsequently to this Authority in writte	n form.				
furnished su	bsequently to this Authority in comp	uter readable form.		•		
the statement	t that the subsequently furnished w	ritten sequence listing de	oes not go beyond	the disclosure in		
the statement furnished.	that the information recorded in comp	uter readable form is ident	ical to the written se	quence listing has been		
2. Certain clai	ms were found unsearchable (See	Box I).				
3. Unity of inv	ention is lacking (See Box II).					
4. With regard to the ti	tle, ·					
X the text is an	proved as submitted by the applicar	ıt.				
the text has	been established by this Authority to	read as follows:				
5. With regard to the a						
=	proved as submitted by the applican					
Box III. The	been established, according to Rule applicant may, within one month from the submit comments to this Authority	om the date of mailing of	• •			
6. The figure of the dra	awings to be published with the abs	tract is Figure No		•		
as suggested	by the applicant.			None of the figures.		
because the	applicant failed to suggest a figure.			. July of the figures.		
because this	figure better characterizes the inven	tion.				

International application No. PCT/US00/25520

IPC(7) US CL	IPC(7) : CO8F 4/44, 4/52						
B. FIEI							
Minimum o	documentation searched (classification system follower	ed by classification symbols)					
U.S. :							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Organometallics, Journal of American Chemical Society, ACS Publishing and Elsevier Publishing							
Electronic o	data base consulted during the international search (n	ame of data base and, where practicable,	search terms used)				
c. Doc	UMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.				
Y,P	US 6,111,082 A (YUNLU et al) 29 through col. 10, line 29.	August 2000, col.8, line 48	1-47				
Y,P	US 6,034,190 A (KATAYAMA et al) 07 March 2000, col. 1, line 59 through col. 2, line 53.						
Y,P	WINFIELD et al., Redox reaction tungsten hexafluorides and p, f or d be comparisons with reactions involving the effect of fluoride ligand transfer surface oxide, Journal of Fluoride C 1998, pages 213-218, especially pages	plock elements in acetonitrile: nitrosonium fluorometallates, and redox inhibition due to themistry, vol. 91, 28 April	1-47				
X Furth	er documents are listed in the continuation of Box C	. See patent family annex.					
A" doc	coral categories of cited documents:	"T" later document published after the inte date and not in conflict with the applica principle or theory underlying the inve	tion but cited to understand the				
to be of particular relevance E" earlier document published on or after the international filing date L" document which may throw doubts on priority claim(s) or which is "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone							
cite spe O" doc	ed to establish the publication date of another citation or other cial reason (as specified) cument referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination				
	rument published prior to the international filing date but later than priority date claimed	"&" document member of the same patent					
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report				
19 NOVE	MBER 2000	12 JAN 2001	_ε χ				
lame and m Box PCT	nailing address of the ISA/US na/en (2005) state (1907) the 1998) *	Authorized officer (703) 306-5926	DEBORAH THOMAS PARALEGAL SPECIALIST				



International application No. PCT/US00/25520

0.40	POCH ACTUAL CONTRIBUTION TO SECURITION	
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	EVANS et al., Ketone Coupling with Alkyl Iodides, Bromides, and Chlorides Using Thulium Diiodide: A More Powerful Version of SmI2(THF)x/HMPA, JACS 16 August 1999, vol. 22, pages 2118-2119.	1-47
		-
	·	
orm PCT/ISA	/210 (continuation of second sheet) (July 1998)★	



The following examples illustrate the manner in which amendments must be explained in the

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: Claims 1 to 15 replaced by amended claims 1 to 11.
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English:

It should not be confounded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading preferably by using the words "Statement under Article 19(1)."

It should not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English or French; otherwise, it must be in English or French, at the choice of the applicant.

Consequence if a demand for international preliminary examination has already been filed?

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's